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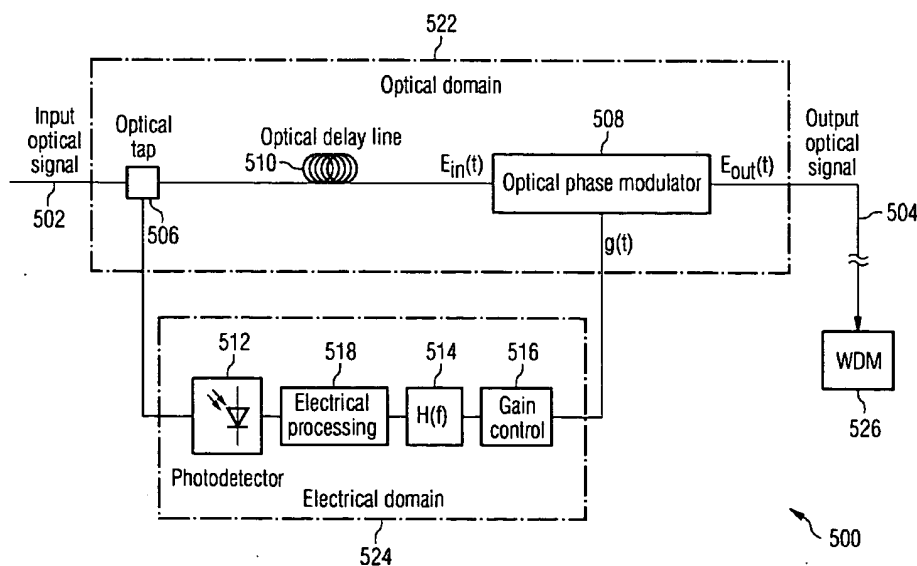
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(54) Title: AN APPARATUS AND METHOD FOR GENERATING AN OPTICAL SINGLE SIDEBAND SIGNAL



(57) Abstract: A single sideband signal (504) is generated from an input optical signal (502). An optical phase modulator (508) performs optical phase modulation on the input optical signal (502) in accordance with a control signal (520) to produce the single sideband signal (504). A converter (512) converts the input optical signal (502) into a corresponding electrical signal. A control signal generator (514, 516) generates the control signal (520) in response to an optical signal pulse shape of the input optical signal (502).

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